Title (en)
METHOD FOR OBTAINING OESTROGEN FROM MARE URINE

Title (de)
VERFAHREN ZUR GEWINNUNG VON OESTROGENEN AUS STUTENHARN

Title (fr)
PROCEDE D'OBTENTION D'ESTROGENES A PARTIR D'URINE DE JUMENT

Publication
EP 1453527 A2 20040908 (DE)

Application
EP 02787839 A 20021127

Priority
• DE 10159161 A 20011201
• EP 0213343 W 20021127

Abstract (en)
[origin: WO03048183A2] The invention relates to a method for obtaining extracts of a natural mixture of conjugated oestrogen from the urine of pregnant mares (PMU). The extracts obtained according to the inventive method fulfil the pharmaceutical specification relating to conjugated oestrogen and the reduction of the free oestrogen content, even when PMU is used which is old, and/or stored or transported at a high temperature. PMU extracts containing a mixture of conjugated oestrogen are obtained by means of solid phase extraction on semipolar adsorption resins.

IPC 1-7
A61K 35/22; A61K 38/22

IPC 8 full level
A61K 38/22 (2006.01); **A61P 15/12** (2006.01); **A61K 31/56** (2006.01); **B01J 20/26** (2006.01); **A61K 35/22** (2006.01); **B01J 20/34** (2006.01); **C07J 75/00** (2006.01)

CPC (source: EP US)
A61K 31/566 (2013.01 - EP US); **A61P 15/12** (2018.01 - EP); **B01D 15/265** (2013.01 - EP US); **B01D 15/32** (2013.01 - EP US)

C-Set (source: EP US)
A61K 31/566 + **A61K 2300/00**

Cited by
EP0955787A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)
WO 03048183 A2 20030612; **WO 03048183 A3 20030814**; AR 037670 A1 20041201; AT E339215 T1 20061015; AU 2002352161 A1 20030617; AU 2002352161 B2 20091224; BR 0214607 A 20040914; CA 2468933 A1 20030612; CA 2468933 C 20120221; CN 1286472 C 20061129; CN 1589150 A 20050302; DE 10159161 A1 20030618; DE 50208167 D1 20061026; DK 1453527 T3 20061009; EP 1453527 A2 20040908; EP 1453527 B1 20060913; ES 2268125 T3 20070316; HK 1073241 A1 20050930; HU 229187 B1 20130930; HU P0402194 A2 20050228; HU P0402194 A3 20121029; IL 162229 A0 20051120; IL 162229 A 20090504; JP 2005511703 A 20050428; JP 4414761 B2 20100210; MX PA04005144 A 20040811; NO 20042761 L 20040630; NO 331790 B1 20120402; PL 205545 B1 20100430; PL 368904 A1 20050404; PT 1453527 E 20061130; RU 2004120299 A 20060110; RU 2308955 C2 20071027; TW 200300693 A 20030616; TW I252106 B 20060401; US 2005014738 A1 20050120; US 7439235 B2 20081021

DOCDB simple family (application)
EP 0213343 W 20021127; AR P020104482 A 20021121; AT 02787839 T 20021127; AU 2002352161 A 20021127; BR 0214607 A 20021127; CA 2468933 A 20021127; CN 02822923 A 20021127; DE 10159161 A 20011201; DE 50208167 T 20021127; DK 02787839 T 20021127; EP 02787839 A 20021127; ES 02787839 T 20021127; HK 05105823 A 20050711; HU P0402194 A 20021127; IL 16222902 A 20021127; IL 16222904 A 20040530; JP 2003549371 A 20021127; MX PA04005144 A 20021127; NO 20042761 A 20040630; PL 36890402 A 20021127; PT 02787839 T 20021127; RU 2004120299 A 20021127; TW 91134426 A 20021127; US 85735504 A 20040601